NASA INTEX-B DATA REVIEW MEETING
VIRGINIA BEACH, VA
6-8 MARCH 2007 (2.5 DAYS)

AGENDA

Tuesday, 6 March

7:30a	Registration	All
8:30a	Welcome/NASA HQ perspective	Crawford
8:45a	Objective of workshop	Singh
9:00a	Data status	Emmons
OVERVIEW		
9:15a	MILAGRO Workshop summary	
	- *Near-, mid-, and far-field chemistry*	Brune
	- *Pollution transport and meteorology*	Fuelberg
	- *Aerosol chemistry and microphysics*	Clarke
	- *Aerosol optical and radiative properties*	Russell
10:15a	*Break*	
10:35a	INTEX-B overview/DC-8 and C-130	Singh/Brune
11:05a	INTEX-B meteorological overview	Fuelberg
11:25a	Canadian activities overview	Martin
11:45a	Aura validation overview	Schoeberl
12:05n	*Lunch*	
1:15p	UW activities	Thornton/Jaffe group
P. I. PRESENTATIONS (8-10 min. each)		
1:35p	First talk	All
3:00p	*Break (20 min.)*	
4:35p	Last talk	
4:45p	Breakout groups and charge	Singh
5:00p	*Adjourn*	
7:00p	Poster session and cash bar	All

Wednesday, 7 March

8:30a Working group breakout sessions (break @ 10:15a) (Leads-TBD)

Possible topics:

- AM1: Transport processes and air-mass characterization (Leads)
- AM2: Photochemistry, models, and Lagrangian studies (Leads)
- AM3: Satellite validation (Leads)

12:15n Lunch

1:30p Working group breakout sessions (break @ 3:00p) (Leads TBD)

Possible topics:

- PM1: Integration of multiple A/C observations, ground stations, sondes, measurement/intercomparison issues (Leads)
- PM2: Aerosol and radiation (Leads)
- PM3: Integration of satellite observations with aircraft data and models (Leads)

Charge to working groups:

- Review current analysis and identify major findings
- Identify avenues for fruitful collaboration
- Identify publications and classify into themes
- Identify gaps, problems, and recommendations for addressing them

5: 30p Adjourn for the day

Thursday, 8 March

8:30a	Breakout session summaries	Leads
10:00a	CALIPSO	Winker
10:30a	ARCTAS/POLARCAT (IPY)	Jacob
10:50a	ARCTAS site logistics	Gaunce
11:00a	INTEX-B wrap-up discussion	Singh/All

- Addressing gaps and needs for collaborations
- Plans for second data workshop?
- Publications and schedule
- Other issues?

11:45a Adjourn

Oral Presentations: (9 minutes each, including questions/discussion):

Ed Browell: Lidar observations over the Pacific during INTEX-B

Ron Cohen: The changing photochemistry of the North Pacific: Nitrogen oxide observations from INTEX-B compared to satellite and to earlier GTE missions

Tony Clarke: Aerosol observations on the NASA DC-8 during INTEX-B

Jose Jimenez or Edward Dunlea: Aerosol measurements from the C-130

Eric Apel: Measurement of Asian tracers using the Trace Gas Organic Analyzer (TOGA)

Lin Zhang: Transpacific transport of ozone pollution observed in INTEX-B by the aircraft and by TES

Brad Pierce: Global chemical data assimilation studies of long-range pollution transport during INTEX-B

Stephanie Vay: Insight into springtime CO_2 variability over the Eastern Pacific from regional-scale observations

Jack Dibb: Tracers of stratospheric influence and Asian dust over the Pacific during INTEX B phase II

Greg Huey: Measurement of the vertical distribution of HCl in the troposphere during INTEX-B

Bob Talbot: Distribution of total gaseous mercury over the central and eastern Pacific

Anne Thompson: IONS data in INTEX-B investigations

Annmarie Eldering: TES observations in support of INTEX-B

K. Bowman: Preliminary analysis of the transpacific transport of biomass burning from Southeast Asia during INTEX-B from RAQMS and TES

Nathaniel Livesey: MLS observations in support of INTEX-B

Louisa Emmons: Use of MOPITT data and modeling during the INTEX-B Pacific operation flight planning and analysis

Charles Gatebe: Retrieval of aerosol and surface BRDF from airborne and ground measurements in Mexico

Jens Redemann: AATS-14 on the J31 in INTEX-B/MILAGRO: Comparisons to data collected by aerosol sensors on Terra, Aqua, Aura, and suborbital platforms

Poster Presentations: In alphabetical order

A. Arellano et al.: Evaluating model predictability of an ensemble-based data assimilation system using INTEX-B CO data

Melody Avery et al.: No title provided

Nicola Blake et al.: No title provided

Carolyn Butler et al.: Aerosol Characteristics as Measured by DIAL During INTEX-B

Angela Baker et al.: VOCs in Local Plumes and Asian Outflow during IMPEX

Chris Cantrell et al.: Peroxy radical behavior during INTEX-B as measured aboard the NSF/NCAR C-130

Allen Chu et al.: Evaluation of cloud influences on aerosol retrieval and effects on radiative forcing using MODIS and airborne measurements during INTEX-B

John Crounce et al.: CIMS measurements of peroxides on C-130 during INTEX-B

Peter DeCarlo et al.: Fast Aerosol Size and Composition Measurements from the NCAR C-130 during the MILAGRO 2006 Field Campaign

Duncan Fairlie et al.: Observations and 3-d simulation of mineral dust during INTEX-B: a preliminary analysis

Marta Fenn et al.: DIAL Ozone Measurements Made During INTEX-B

Rich Ferrare et al.: Airborne High Spectral Resolution Lidar Measurements of Aerosols During MILAGRO

Frank Flocke et al.: No title provided

Henry Fuelberg et al.: Pollution transport and meteorology during MILAGRO

Charles Gatebe et al.: Airborne Spectral Measurements of Surface-Atmosphere Anisotropy over Different Surfaces in Mexico

Jeremy Halland et al.: Convective transport of carbon monoxide: An intercomparison of remote sensing observations and cloud-modeling simulations

Jeremy Halland et al.: INTEX-B meteorological products available on the FSU web site

P. Hess et al.: Chemical Data Assimilation and Forecasts for the INTEX-B Field Campaign

Chris Homes et al.: Constraints on atmospheric Hg cycling from INTEX-B and GEOS-Chem

Ralph Kahn et al.: MILAGRO/INTEX-B Coordinated Satellite + Sub-orbital Platform Experiments

Saewung Kim et al.: Measurment of HCl and SO2 during INTEX-B Phase II

Susan Kulawik et al.: Ozone events in the Pacific seen by TES during INTEX-B

John Liggio et al.: Application of principal component analysis to aerosol mass spectrometry data from a high-elevation site in Whistler, BC

John Livingston et al.: Aerosol optical depths from airborne sunphotometry in INTEX-B/MILAGRO as a validation tool for the Ozone Monitoring Instrument (OMI) on Aura

Tom McGee et al.: AROTAL/Aura comparisons during INTEX-B transit flights

Marcelo Mena-Carrasco et al.: Improving emission inventories in Mexico through systematic analysis of model performance along C-130 and DC-8 flight tracks

Jennie Moody et al.: Identifying STE meteorological events with analyses of Aura

Rebecca Obrecht et al.: Comparison between MODIS retrievals and DC-8 *in situ* measurements of aerosol/Asian dust properties during INTEX-B

Jennifer Olson et al.: Diagnostic Photochemical Assessment of airborne observations during INTEX-B

Greg Osterman et al.: An overview of the current TES validation results

Rick Peltier et al.: Identification of sources of water-soluble organic carbon and inorganic ion aerosol (PM1.0) from the C-130 research aircraft

Leonhard Pfister et al.: Convective influence calculations for the HI and AK phases of INTEX-B

G. Pfister et al.: Interannual variability of pollution transport across the Pacific and source contributions for INTEX-B

Ken Pickering et al.: Trajectory- and Observation-Based Exposure Estimates for Lightning NOx and Aerosols: Comparisons with INTEX-B Aircraft Measurements

Jens Redemann et al.: AATS-14 on the J31 in INTEX-B/MILAGRO: Comparisons to data collected by aerosol sensors on Terra, Aqua, and suborbital platforms

Dave Reidmiller et al.: O_3/NO_x/GEOS-CHEM and interannual variability

Xinrong Ren et al.: Measurement of OH reactivity during INTEX-B

Xinrong Ren et al.: HO_x chemistry and O_3 production during INTEX-B

Xinrong Ren et al.: Calibration of ATHOS for detecting tropospheric OH and HO_2

Changsub Shim et al., Characterizing the effect of mega-city pollution on regional and global air quality by TES measurements.

R. Subramanian et al.: Black carbon measurements over Seattle and Mexico City: Results with the Single Particle Soot Photometer (SP2)

Phil Swartzendruber et al.: Hg as a tracer of Asian air and FT oxidation of Hg

Youhua Tang et al.: No title provided

Brett Taubman et al.: Observations and validation from NATIVE in Richland, WA

Anne Thompson et al.: Highlights from IONS-06: Pollution and natural sources of tropospheric ozone

Jason Tomlinson et al.: No title provided

Aaron van Donkelaar et al.: Long-range transport of Asian sulfur emissions to Canada

Thomas Walker et al.: Long-range transport of NO_y and O_3 during INTEX-B: Satellite, aircraft, and model perspectives

Andy Weinheimer et al.: NO_y partitioning measured on the C-130 during INTEX-B and MIRAGE

Glenn Wolff et al.: Acyl Peroxy Nitrates in the Remote Pacific Northwest: Comparison with Previous Measurements and Diagnosing the Influence of Long-Range Pollution Transport

Qi Zhang et al.: A high-resolution time-of-flight aerosol mass spectrometer study on size-resolved aerosol composition at the peak of Whistler Mountain during INTEX-B